

WHAT IS CLAIMED IS:

1. An adjustable pad set for a protective helmet, comprising:
a plurality of internal pads of various thicknesses;
5 a plurality of pad retaining/locating devices, each having a pocket for receiving at least one of the plurality of internal pads so as to form an individual pad of the adjustable pad set; and
at least one fastener for each of the plurality of pad retaining/locating devices for respectively securing the each of the plurality of pad retaining/locating
10 devices to a selected location within the protective helmet.
2. The adjustable pad set according to claim 1, wherein the at least one fastener is a hook and pile fastener.
- 15 3. The adjustable pad set according to claim 1, wherein at least one of the plurality of pad retaining/locating devices comprises at least one other fastener for keeping the pocket closed to retain any of the plurality of internal pads therein.
4. The adjustable pad set according to claim 3, wherein the at least one
20 other fastener is a hook and pile fastener.

5. The adjustable pad set according to claim 1, wherein at least one of the plurality of pad retaining/locating devices comprises at least one flap for covering the pocket.

5 6. The adjustable pad set according to claim 5, wherein the at least one flap has at least one other fastener disposed thereon for keeping the at least one flap closed to retain any of the plurality of internal pads within the pocket.

7. The adjustable pad set according to claim 5, wherein the at least one
10 other fastener is a hook and pile fastener.

8. The adjustable pad set according to claim 1, wherein each of the plurality of internal pads is formed from at least one of viscoelastic foam and polyurethane foam.

15 9. The adjustable pad set according to claim 1, wherein each of the plurality of pad retaining/locating devices is formed from at least one of looped knit nylon.

10. The adjustable pad set according to claim 1, wherein a plurality of individual pads of the adjustable pad set are capable of being formed from the plurality
20 of pad retaining/locating devices and the plurality of internal pads, the protective helmet includes a crown portion, and at least two of the plurality of individual pads are adapted to be positioned in the crown portion so as to surround at least a portion of a headband

of an audio headset while providing cushioning from impact for a crown of a head of a wearer

11. The adjustable pad set according to claim 10, wherein each of the at least
5 two of the plurality of individual pads is semi-circular in shape.

12. The adjustable pad set according to claim 1, wherein the plurality of
internal pads comprises various shaped internal pads.

10 13. The adjustable pad set according to claim 12, wherein the various shaped
internal pads correspond to different areas of a head of a wearer.

14. The adjustable pad set according to claim 12, wherein the various shaped
internal pads correspond to at least one of a crown area, a front dome area, a rear
15 dome area, a side dome area, and a side area of a user's head.

15. The adjustable pad set according to claim 1, wherein at least some of the
plurality of pad retaining/locating devices comprises various shaped pad
retaining/locating devices.

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16. The adjustable pad set according to claim 15, wherein the various shaped
pad retaining/locating devices correspond to different areas of a head of a wearer.

17. The adjustable pad set according to claim 1, further comprising at least one outermost pad pocket adapted to receive at least two of the plurality of pad retaining/locating devices to form a larger individual pad of the adjustable pad set.

5 18. The adjustable pad set according to claim 17, wherein the at least one outermost pad pocket is formed from at least one of looped knit nylon.

19. The adjustable pad set according to claim 10, further comprising an outermost pad pocket adapted to receive the at least two of the plurality of individual
10 pads that are adapted to be positioned in the crown portion.

20. The adjustable pad set according to claim 19, wherein the outermost pad pocket is further adapted to allow the headband of the audio headset to at least one of pass there through or lie adjacent thereto.

15 21. A protective helmet capable of being worn with an audio headset having a headband, the protective helmet comprising:

a padded shell having a re-locatable pad to provide a headband receiving zone; and

20 a fastener to secure the re-locatable pad outside the headband receiving zone so that during headband use the re-locatable pad has an arcuate-shaped edge co-linear with a crown section of the headband and a spherical section extending away from the arcuate-shaped edge.

22. The protective helmet of claim 21, wherein said padded shell further has another re-locatable pad, and said protective helmet further comprises another fastener to secure the other re-locatable pad outside the headband receiving zone so that during
5 the headband use the other re-locatable pad has the arcuate-shaped edge co-linear with the crown section of the headband and the spherical section extending away from the arcuate-shaped edge.

23. The protective helmet of claim 21, wherein said padded shell further has
10 another re-locatable pad, and said protective helmet further comprises another fastener, and wherein the fastener of the re-locatable pad and the other fastener of the other pad are positionable so as to secure the pad and the other pad such that the arcuate-shaped edge of the pad is adjacent the arcuate-shaped edge of the other pad in an absence of the headband at the headband receiving zone.

15 24. The protective helmet of claim 21, wherein the re-locatable pad is adjustable with respect to thickness.

25. The protective helmet of claim 21, wherein the re-locatable pad
20 comprises:

a plurality of internal pads of various thickness; and
a pad retaining/locating device having a pocket for receiving at least one of the plurality of internal pads.

26. The protective helmet of claim 21, further comprising a plurality of other pads, adjustable for both location and thickness.